



US 20210082583A1

(19) **United States**(12) **Patent Application Publication**  
**EHRlich et al.**(10) **Pub. No.: US 2021/0082583 A1**(43) **Pub. Date: Mar. 18, 2021**(54) **METHODS AND SYSTEMS OF  
PRIORITIZING TREATMENTS,  
VACCINATION, TESTING AND/OR  
ACTIVITIES WHILE PROTECTING THE  
PRIVACY OF INDIVIDUALS**(52) **U.S. CL.**  
**CPC** ..... **G16H 50/80** (2018.01); **H04W 4/023**  
(2013.01); **G16H 50/30** (2018.01); **G06N**  
**7/005** (2013.01); **H04W 4/029** (2018.02)(71) Applicants: **Gal EHRlich**, Ramat-Gan (IL);  
**Maier FENSTER**, Petach-Tikva (IL)(72) Inventors: **Gal EHRlich**, Ramat-Gan (IL);  
**Maier FENSTER**, Petach-Tikva (IL)(21) Appl. No.: **17/106,279**(22) Filed: **Nov. 30, 2020**(30) **Foreign Application Priority Data**Aug. 11, 2020 (IL) ..... 276648  
Aug. 11, 2020 (IL) ..... 276665  
Sep. 1, 2020 (IL) ..... 277083**Publication Classification**(51) **Int. Cl.**  
**G16H 50/80** (2006.01)  
**H04W 4/02** (2006.01)(57) **ABSTRACT**

An aspect of some embodiments of the invention relates to system and methods for anonymously selecting subjects for treatment against an infectious disease caused by a pathogen, comprising: 1. a plurality of electronic devices configured with instructions to generate an ID, when in proximity of another such electronic device, one or both of transmit said ID to said another electronic device and receive an ID from said another electronic device, generating a score based on a plurality of such received IDs, receiving information from a server, displaying relevant treatment instructions to said subjects based on received information; 2. at least one server comprising instructions for sending to said plurality of electronic devices information to display said relevant treatment instructions; where said at least one server or said electronic devices comprise instructions to generate a prediction of likelihood of a subject transmitting said pathogen, based on a score of the subject.

